Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/14/2018 10:00 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125304	0	1.59	125383	1.57
Blue	F	SSC	125000	123547	-2	3.37	124399	3.38
Blue	E	FITC	15492	15073	-3	3.55	350	22.27
Blue	D	PE	28736	28039	-3	2.76	620	16.19
Blue	B	PerCP-Cy5-5	41413	40868	-2	4.41	1121	22.29
Blue	A	PE-Cy7	31321	31374	0	6.82	570	46.94
Red	C	APC	41673	40998	-2	2.95	1580	13.52
Red	A	APC-Cy7	29962	29533	-2	2.78	740	13.95
Violet	B	V450	8318	7837	-6	4.40	433	14.83
Violet	A	V500	34199	32894	-4	4.21	794	11.45

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20291	2.57	604	-9	N/A	N/A	Pass
Blue	F	SSC	55843	2.79	571	3	N/A	N/A	Pass
Blue	E	FITC	58	72.23	554	-7	0.0147	114	Pass
Blue	D	PE	123	57.86	553	-7	0.1374	314	Pass
Blue	B	PerCP-Cy5-5	209	55.46	658	-9	0.0079	94	Pass
Blue	A	PE-Cy7	111	116.20	714	-8	0.0093	22	Pass
Red	C	APC	362	28.95	602	1	0.0188	132	Pass
Red	A	APC-Cy7	184	32.40	577	1	0.0049	1589	Pass
Violet	B	V450	65	71.74	475	-2	0.0441	2559	Pass
Violet	A	V500	113	40.18	493	-1	0.0190	1134	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.60	-32.16	1.06
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.51
Red	16.95	13.60 - 20.40	N/A	N/A	29.42	29.86	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 10239

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments